

EAST - [default.wsp:1]

File View Edit Tools Window Help

L2: (75814)

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L4: (15131)

L5: (10660)

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L9: (5) 8

L10: (256)

L11: (1744)

L12: (81)

L13: (12)

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Detailed Description Text - DETX (10):

6. Chemotherapeutic substance--Refers to a therapeutically active substance whose therapeutic effect arises from the chemical characteristics of the substance. Chemotherapeutic substances may include, for example, non-radioactive pharmaceuticals. They may include small molecules or more complex molecules such as lipids, carbohydrates, proteins or nucleic acids such as DNA or RNA.

Detailed Description Text - DETX (19):

Proteinaceous substances, including proteins, glycoproteins, lipoproteins or peptides may also be coupled through suitable linking moiety to hydrocarbon

	U	1	Document ID	Issue Date	Pages	Title	Current	Current	Re	Inventor
5	<input type="checkbox"/>	<input type="checkbox"/>	US 5872107 A	19990216	36	Treatment of urogenital cancer with boron	514/44	424/1.73;		Schinazi, Raym et al.
6	<input type="checkbox"/>	<input type="checkbox"/>	US 5851510 A	19981222	32	Hepatocyte-selective oil-in-water emulsion	424/9.45	424/1.89;		Counsell, Raym et al.
7	<input type="checkbox"/>	<input type="checkbox"/>	US 5725838 A	19980310	5	Radiolabeled D4 receptor ligands	424/1.85	424/1.81;		Pollak, Alfred
8	<input type="checkbox"/>	<input type="checkbox"/>	US 5690906 A	19971125	22	Dopamine D-3 and serotonin (5-HT.sub.1A)	424/1.85	544/10.1;		Kung, Hank F.
9	<input type="checkbox"/>	<input type="checkbox"/>	US 5667764 A	19970916	46	Compounds, compositions and methods for binding	424/1.45	424/1.53;		Kopia, Gregory al.
10	<input type="checkbox"/>	<input type="checkbox"/>	US 5599796 A	19970204	35	Treatment of urogenital cancer with boron	514/44	424/1.11;		Schinazi, Raym et al.

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  - L23: (1823)
  - L24: (30)
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Detailed Description Text - DETX (21):

The "targeting moiety" of the present invention binds to a defined target cell population, such as tumor cells. Preferred targeting moieties useful in this regard include antibody and antibody fragments, peptides, and hormones. Proteins corresponding to known cell surface receptors (including low density lipoproteins, transferrin and insulin), melanocyte stimulating hormone, somatostatin, somatostatin derivatives, such as octreotide and MK-678 (Merck), fibrinolytic enzymes, HER2 ligand, and biological response modifiers (including interleukin, interferon, erythropoietin and colony-stimulating factor) are also preferred targeting moieties. Oligonucleotides, e.g., antisense oligonucleotides that are complementary to portions of target cellular nucleic acids (DNA or RNA), are also useful as targeting moieties in the practice of the present invention. Oligonucleotides binding to cell surfaces are also useful. Analogs of the above listed targeting moieties that retain the




	U	I	Document ID	Issue Date	Pages	Title	Current	Current	Re	Inventor
15	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5679318 A	19971021		Stable therapeutic radionuclide	424/1.1 1	424/1. 45;		Vanderheyden, et al.
16	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5630996 A	19970520		Two-step pretargeting methods using improved	424/1.4 9	424/1. 53;		Reno, John M.
17	<input type="checkbox"/>	<input type="checkbox"/>	US 5607659 A	19970304	36	Directed biodistribution of radiolabelled biotin	424/1.7 3	514/38 7		Gustavson, Lin al.
18	<input type="checkbox"/>	<input type="checkbox"/>	US 5541287 A	19960730	68	Pretargeting methods and compounds	530/317	530/32 3;		Yau, Eric K. e
19	<input type="checkbox"/>	<input type="checkbox"/>	US 5492839 A	19960220	20	Immunogenic ryanodine derivative and related	436/504	436/54 5;		Campbell, Kevi al.
20	<input type="checkbox"/>	<input type="checkbox"/>	US 5393512 A	19950228	10	Stable therapeutic radionuclide	424/1.5 3	424/1. 11;		Vanderheyden, et al.



Detailed Description Text - DETX (109):

Briefly, iodobenzamide derivatives corresponding to biocytin (R=COOH) and biotinamidopentylamine (R=H) were prepared according to the following scheme. In this scheme, "X" may be any radiohalogen, including .sup.125 I, .sup.131 I, .sup.123 I, .sup.211 At and the like. ##STR26## Preparation of 1 was generally according to Wilbur et al., J. Nucl. Med. 30:216-26, 1989, using a tributyltin intermediate. Water soluble carbodiimide was used in the above-depicted reaction, since the NHS ester 1 formed intractable mixtures with DCU. The NHS ester was not compatible with chromatography; it was insoluble in organic and aqueous solvents and did not react with biocytin in DMF or in buffered aqueous acetonitrile. The reaction between 1 and biocytin at

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	U	1	Document ID	Issue Date	Pages	Title	Current	Current	Re	Inventor
15	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5679318 A	19971021		Stable therapeutic radionuclide	424/1.1 1	424/1.45;		Vanderheyden, et al.
16	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5630996 A	19970520		Two-step pretargeting methods using improved	424/1.4 9	424/1.53;		Reno, John M.
17	<input type="checkbox"/>	<input type="checkbox"/>	US 5607659 A	19970304	36	Directed biodistribution of radiolabelled biotin	424/1.7 3	514/38 7		Gustavson, Lin al.
18	<input type="checkbox"/>	<input type="checkbox"/>	US 5541287 A	19960730	68	Pretargeting methods and compounds	530/317	530/323;		Yau, Eric K. e
19	<input type="checkbox"/>	<input type="checkbox"/>	US 5492839 A	19960220	20	Immunogenic ryanodine derivative and related	436/504	436/545;		Campbell, Kevi al.
20	<input type="checkbox"/>	<input type="checkbox"/>	US 5393512 A	19950228	10	Stable therapeutic radionuclide	424/1.5 3	424/1.11;		Vanderheyden, et al.

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11	BRS	L11	155604	sn or tin or alkyltin or trialkyl-sn	USPAT	2003/11/03 10:00			0
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14	BRS	L15	17	13 and 14	USPAT	2003/11/03 10:01			0
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3	BRS	L3	0	1 and 2	USPAT	2003/11/03 16:02			0
4	BRS	L4	151312	peptide\$1 or protein\$1	USPAT	2003/11/03 16:02			0
5	BRS	L5	10660	(sn or tributyl or tributyltin or trialkyl or	USPAT	2003/11/03 16:18			0
6	BRS	L6	65409	2 and 4	USPAT	2003/11/03 16:03			0
7	BRS	L7	36233	radio\$.ab,ti.	USPAT	2003/11/03 16:03			0
8	BRS	L8	59	5 and 6	USPAT	2003/11/03 16:04			0
9	BRS	L9	5	8 and 7	USPAT	2003/11/03 16:06			0
10	BRS	L10	256	424/1.81-1.89.ccls.	USPAT	2003/11/03 16:06			0
11	BRS	L11	174492	sn or tributyl or tributyltin or trialkyl or	USPAT	2003/11/03 16:06			0
12	BRS	L12	81	10 and 11	USPAT	2003/11/03 16:07			0
13	BRS	L13	12	12 and 6	USPAT	2003/11/03 16:17			0
14	BRS	L14	97	5 and 2	USPAT	2003/11/03			0

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